

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/40015

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G09G 5/00
US CL : 345/156, 163, 168

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 345/156, 163, 168

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,457,480 A (WHITE) 10 October 1995 (10.10.1995), column 1, lines 50-58; column 4, lines 48-55; column 3, lines 9-18.	1, 9-11, 13
—		————— 2-8, 12, 14-18
Y		
Y	US 4,891,777 A (LAPEYRE) 02 January 1990 (02.01.1990), column 2, lines 50-58; column 5, lines 13-25; column 7, lines 1-4.	2-6
Y	US 6,005,496 A (HARGREAVES et al) 21 December 1999 (21.12.1999), column 12, lines 22-28.	7
Y	US 6,097,374 A (HOWARD) 01 August 2000 (01.08.2001), column 2, line 62 to column 3, line 5.	8
Y	US 4,460,974 A (JONES) 17 July 1984 (17.07.1984), column 1, lines 47-63.	12
Y	US 6,128,006 A (ROSENBERG et al) 03 October 2000 (03.10.2000), column 1, line 65 to column 2, line 18.	14
Y	US 2002/0061739 A1 (NAKAMURA et al) 23 May 2002 (23.05.2002), paragraphs [0016], [0024], [0071], [0072].	15-18
X	US 5,063,376 A (CHANG) 05 November 1991 (05.11.1991), column 3, lines 4-7; column 4, lines 38-46; column 5, lines 43-47; column 6, lines 13-22	1, 19, 20

Further documents are listed in the continuation of Box C.

See patent family annex.

*	Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A"	document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O"	document referring to an oral disclosure, use, exhibition or other means		
"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

25 March 2004 (25.03.2004)

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